



01



VARICON* Connectors

STANDARD SERIES 01

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WARRANTY: ELCO warrants to the first user that it will correct any proven defects in workmanship or material of its products, without charge, by repair or replacement, f.o.b., factory, during the first ninety days after delivery, provided same are used in accordance with good engineering practices. Components of other manufacturers are not warranted. ELCO assumes no liability of any kind for consequential or special damages. This warranty is in lieu of all other expressed or implied warranties and constitutes ELCO'S sole obligation in respect to its products.



VARICON* Connector System

ELCO VARICON* Connectors, since the day they were first introduced, elevated the status of what had previously been considered "hardware" to that of a new, complete and sophisticated interconnection technology. Time has served to emphasize that change in concept with countless applications of proven reliability. Hence, any reference to "hardware" in the following pages, never refers to our connectors — but only to those "accessories" which help adapt the system to your individualized requirements. We trust this newest Catalog of ELCO VARICON* Connectors, Series 01, which we pridefully present to you, will serve as your "Dictionary" of basic interconnection techniques — and never as a "hardware guide."

Standard ELCO VARICON* Connectors, Series 01, are covered under the component recognition program of Underwriters' Laboratories, Inc.

ADVANTAGES

SIMPLICITY OF 4 BASIC PARTS — Each connector illustrated or described in this Catalog is built on a simple modular basis, comprising only 4 basic parts: contact, two insulator end sections, and insulator center section.

VERSATILITY — These 4 basic parts can be assembled in a moment to produce either plug or receptacle, with almost any number of contacts for rack-and-panel, cable-to-cable, cable-to-panel, or plug-in element applications.

COMPACTNESS — ELCO VARICON* Connectors are relatively small in size; yet provide high voltage and current capacities.

SELF-ALIGNMENT — Floating contacts and the exclusive ELCO VARICON* Contact design assist aligning and mating of plug and receptacle, and also eliminates possible contact damage due to overstressing.

POLARIZATION — ELCO's exclusive "Keying Control" principle offers polarity arrangements that eliminate accidental mating of dissimilar combinations. Furthermore, due to the

planar nature of the contacts, no ELCO VARICON* Connector can be mated with another if it is not properly oriented.

PROVEN RELIABILITY — ELCO VARICON* Connectors provide the most positive electrical contact under all operating conditions. Electrical and mechanical contact is not affected by vibration, repeated insertions and withdrawals, or by lateral and longitudinal stresses.

ECONOMY — ELCO VARICON* Connectors' high level of performance makes their cost extremely low; and inventory problems are virtually eliminated by stocking only the 4 basic parts required.

LONGEVITY — ELCO VARICON* Connectors that have been in active use over a period of many, many years are still functioning perfectly.

AVAILABILITY — Adequate quantities of all basic ELCO VARICON* Connector parts are constantly maintained to assure rapid delivery.

CONTACTS

The ELCO VARICON* Contact is a unique, patented, fork-design contact with four coined mating surfaces. These contacts have proven their reliability in countless applications, in electronic systems logging millions of component hours without a single connector failure. This amazing reliability is attributed to sound design principles, precision production methods, and rigorous quality control procedures.

SELF-ALIGNMENT of mating contacts is provided by the spring characteristics of the contact material. This aids insertion and minimizes tolerance problems.

LOW MATING FORCE remains consistent after innumerable insertion and withdrawal cycles. Contributing to this factor are the work-hardened mating surfaces, and cold working the coined surface during production.

LOW CONTACT RESISTANCE is a direct result of the four large, parallel, contacting surfaces and the pressure exerted on these surfaces by the spring qualities of the contact material and the unique design.

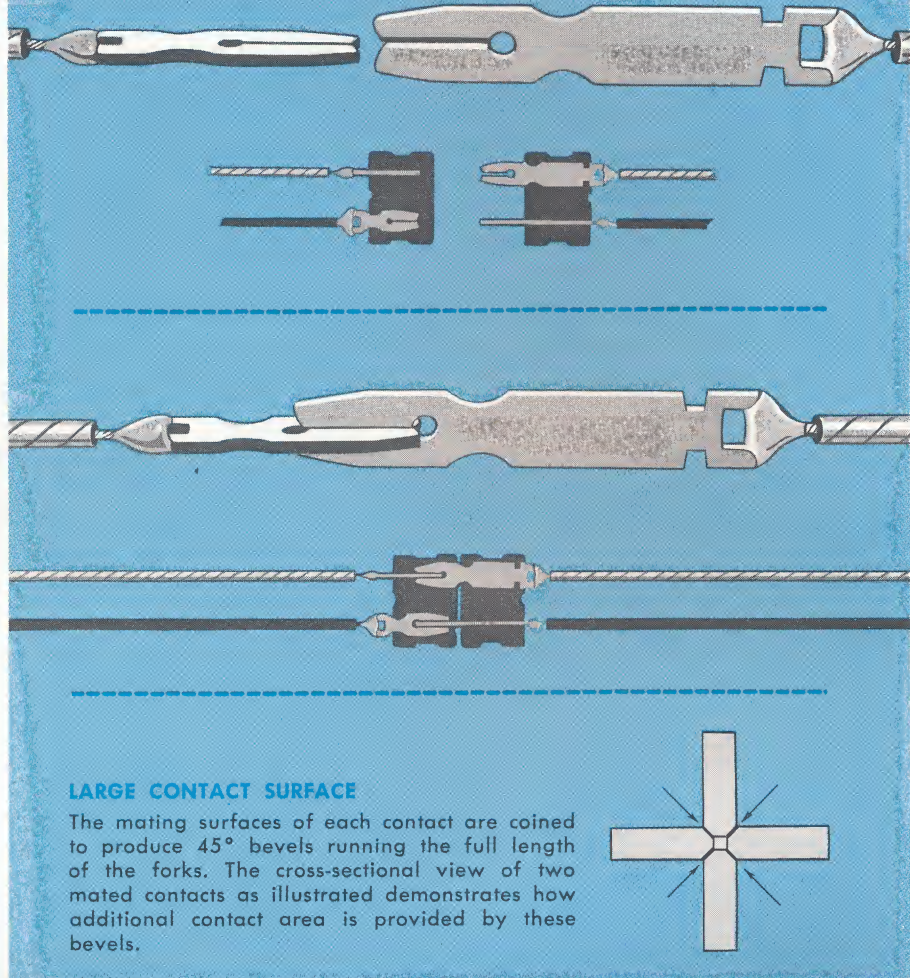
HIGH CURRENT CAPACITY for a contact of its size is due to large mating area, low contact resistance, and the heat-dissipating qualities of the flat contacts.

LOW DRY-CIRCUIT RESISTANCE is provided by the complete, full-length wiping action in conjunction with the high spring pressure exerted on the mating surfaces. This positive wiping action assures contact surface conditions essential for low resistance dry-circuit operation.

EXCELLENT SHOCK AND VIBRATION CHARACTERISTICS are another feature of the unique design. Any displacement within the elastic limit of the spring material results in an

DESIGN FEATURES

In use, contacts are mated at 90° to allow the fork-like members to mesh with each other along the entire length of the contact "nose."



LARGE CONTACT SURFACE

The mating surfaces of each contact are coined to produce 45° bevels running the full length of the forks. The cross-sectional view of two mated contacts as illustrated demonstrates how additional contact area is provided by these bevels.

increase of contact pressure on two of the mating surfaces, while it decreases on the other two.

LONG MATED LIFE under varying environmental conditions results from the high inter-contact pressures. After years of mating, the contacts can be unmated and remated and still retain clean, unoxidized contacting surfaces.

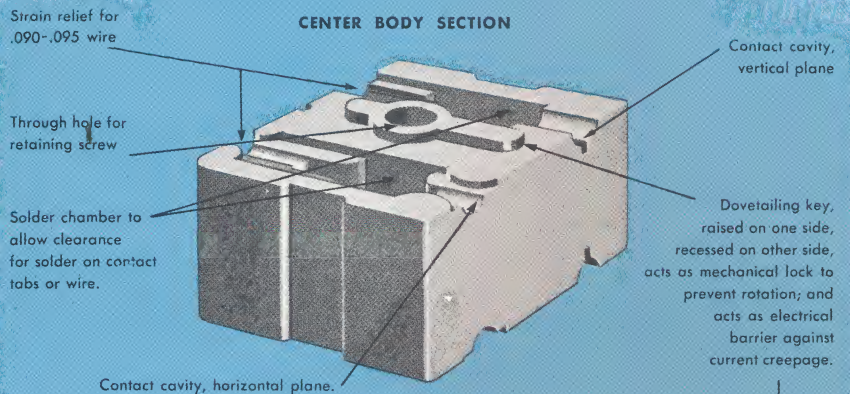
LONG CYCLING LIFE is a product of the smooth, work-hardened mating surfaces and the full length wiping action under consistent pressure. These factors work together in keeping the mating surfaces clean and smooth to preserve low contact resistance and like-new performance after many thousands of insertion-withdrawal cycles.

RELIABILITY

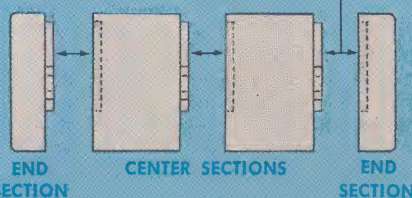
A large metallic mating area under high contact pressure is one requirement for a connector which is to be exposed to corrosive atmospheres. The ELCO VARICON* Contact meets this requirement by providing four large mating surfaces which are electrically in parallel and constantly under spring force when mated.

DESIGN FEATURES

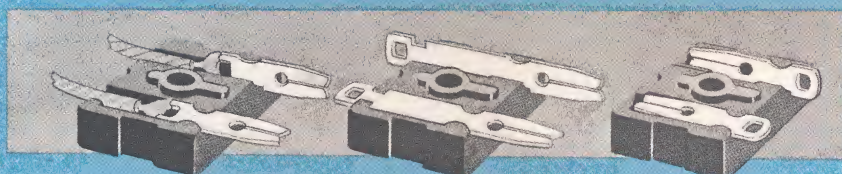
The internal design of the end sections and the center sections are basically the same. These unusual and exclusive features are illustrated in the enlarged view shown here.



NOTE how raised and recessed key slots on end sections or on opposite sides of center sections are designed to mate with each other to lock mating units into position.



Depending on the manner in which the hermaphroditic contacts are installed, the same insulator section can be made to serve as either a plug or a receptacle.



PLUG WITH CONCEALED TERMINATIONS (SPECIAL)

STANDARD PLUG

RECEPTACLE

INSULATORS

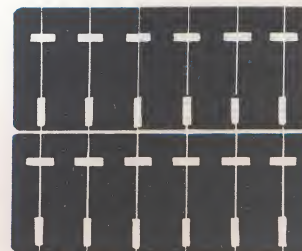
Three basic parts are required to build up either a plug or receptacle insulator of any given size. These three parts are the center section and the two end sections.

END SECTIONS—The two end sections (right and left) dovetail perfectly to form a two-contact connector or fit on opposite ends of center sections to form larger, multiple circuit connectors. The end sections are available in two types. The regular type fits most applications. The ruggedized type is thicker than the regular type and is well suited to heavy duty applications.

CENTER SECTIONS—Center sections also dovetail and can be assembled in rows, or rows and tiers, to produce connectors of whatever size is required. The only limit on the number of contacts per connector is the practical handling size of the connector itself.

ARRANGEMENTS

STANDARD ARRANGEMENTS—The number of contacts in any ELCO VARICON* Connector is always at the discretion of the Design Engineer. When the length becomes excessive in single tier form it can be built as a double tier connector.

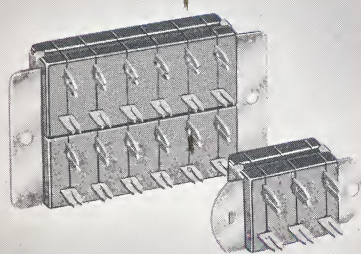


THIS WAY.....OR THIS WAY.....OR THIS WAY.....OR THIS WAY, ETC.

NON-STANDARD ARRANGEMENTS—Where different polarity arrangements are required, several 2-contact units (made with a pair of end-sections only) are bolted together to provide the desired arrangement. The illustrations give a brief idea of the many different combinations that can be achieved.

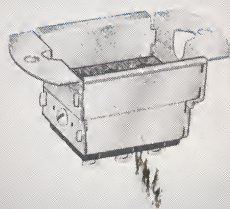


HARDWARE POSSIBILITIES



BRACKETS permit installation anywhere on chassis, rack, panel, or directly to plug-in components.

NEW! VINYL-CLAD COVERS provide built-in insulation, and are a safe and convenient means of shielding exposed terminations. Top or side cable entry available with or without clamps. Self-adjusting clamps are always parallel to cable regardless of its size.



GUIDE PINS positively guide the mating plug and receptacle, providing parallel insertion and withdrawal, thereby making contact damage impossible during mating.

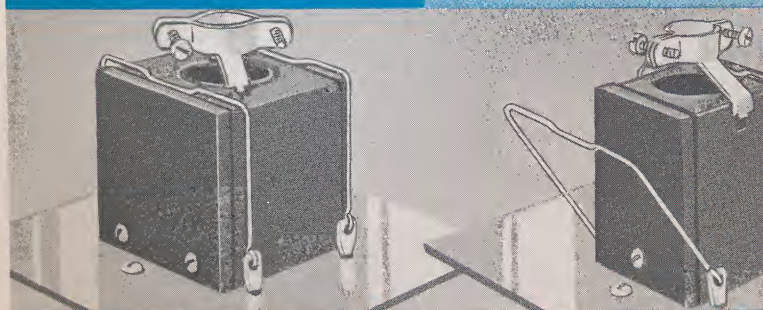
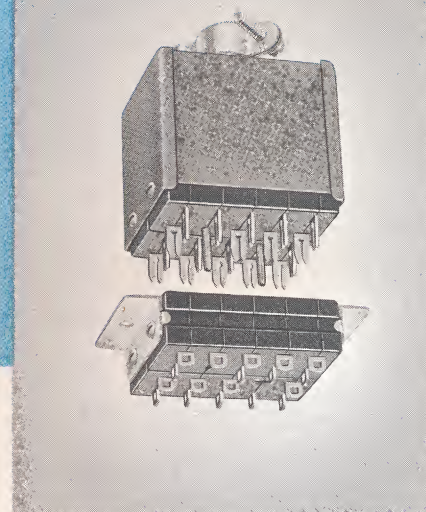
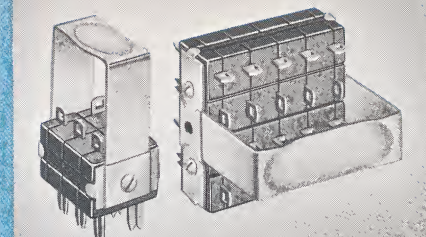
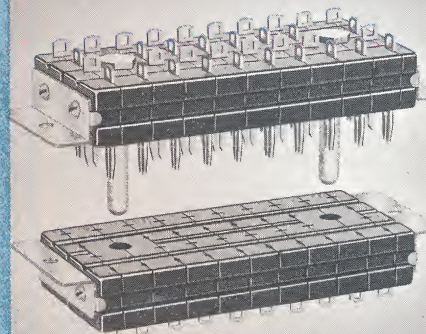
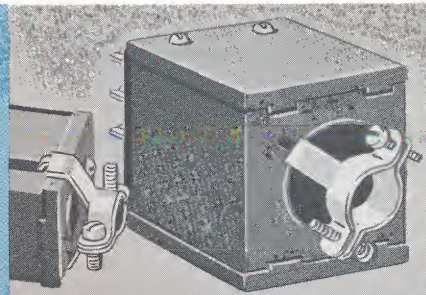
RECESSED HOUSINGS allow flush chassis mounting of plug connectors and conservation of external space.

HANDLES facilitate safe and easy handling, especially where frequent insertions and withdrawals are required.

ACTUATING SCREWS provide vibration-proof locking and guarantee parallel insertion and withdrawal of contact.

POLARIZING PINS simplify positioning and inserting plugs in hard to see locations.

RETAINING CLIPS provide positive retention of two mated connectors, yet may be easily disengaged when required.





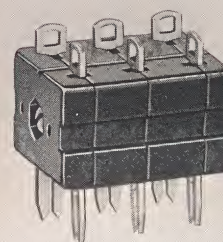
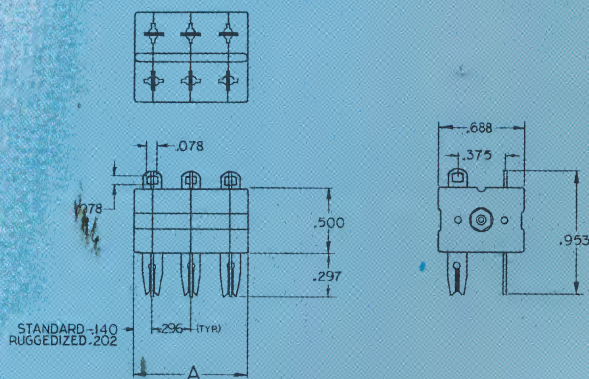
VARICON* Connectors, Standard Series 01

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	END SECTION
01-1102-100-004	2	.281	Regular
01-1104-100-004	4	.578	
01-1106-100-004	6	.875	
01-1108-100-004	8	1.172	
01-1110-100-004	10	1.469	
01-2112-100-004	12	1.891	Ruggedized
01-2114-100-004	14	2.187	
01-2116-100-004	16	2.484	
01-2118-100-004	18	2.781	

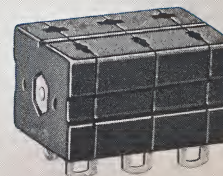
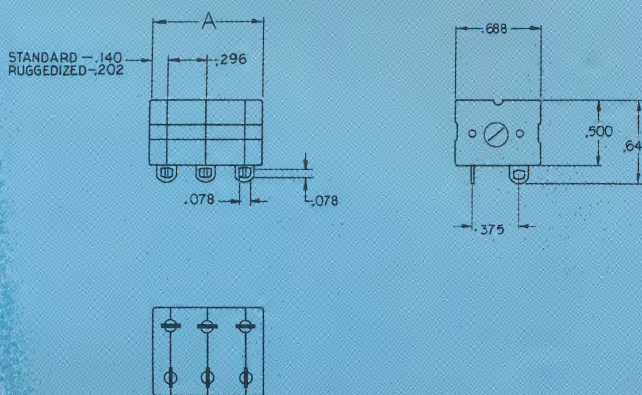
PLUG

Single Tier without Hardware

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials and variations, see page 24.



ACTUAL SIZE



ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	END SECTION
01-3102-100-001-002	2	.281	Regular
01-3104-100-001-002	4	.578	
01-3106-100-001-002	6	.875	
01-3108-100-001-002	8	1.172	
01-3110-100-001-002	10	1.469	
01-4112-100-001-002	12	1.891	Ruggedized
01-4114-100-001-002	14	2.187	
01-4116-100-001-002	16	2.484	
01-4118-100-001-002	18	2.781	

RECEPTACLE

Single Tier without Hardware

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials and variations, see page 24.

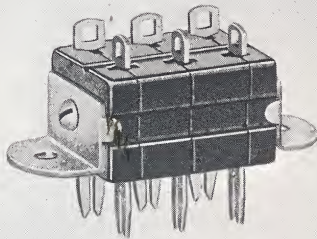


VARICON* Connectors, Standard Series 01

PLUG

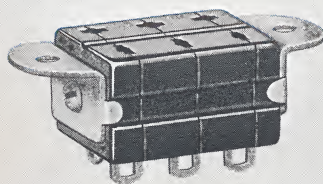
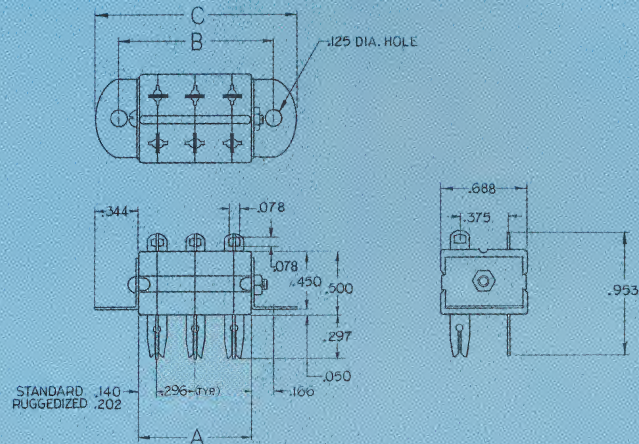
Single Tier with Brackets

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.

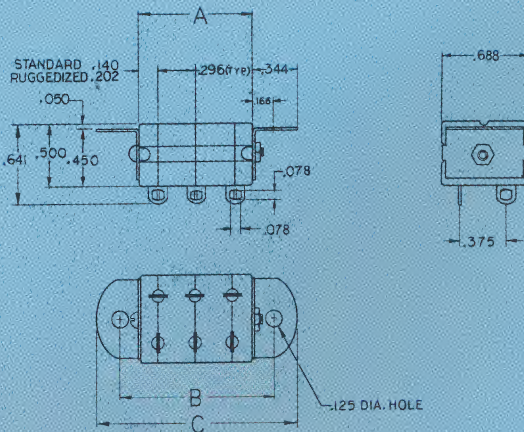


ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-1102-111-004	2	.281	.609	.969	Regular
01-1104-111-004	4	.578	.906	1.266	
01-1106-111-004	6	.875	1.203	1.562	
01-1108-111-004	8	1.172	1.500	1.859	
01-1110-111-004	10	1.469	1.797	2.156	
01-2112-111-004	12	1.891	2.219	2.578	Ruggedized
01-2114-111-004	14	2.187	2.516	2.875	
01-2116-111-004	16	2.484	2.812	3.172	
01-2118-111-004	18	2.781	3.109	3.469	
01-2120-111-004	20	3.078	3.406	3.765	
01-2122-111-004	22	3.375	3.703	4.062	



ACTUAL SIZE



RECEPTACLE

Single Tier with Brackets

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-3102-111-001	2	.281	.609	.969	Regular
01-3104-111-001	4	.578	.906	1.266	
01-3106-111-001	6	.875	1.203	1.562	
01-3108-111-001	8	1.172	1.500	1.859	
01-3110-111-001	10	1.469	1.797	2.156	
01-4112-111-001	12	1.891	2.219	2.578	Ruggedized
01-4114-111-001	14	2.187	2.516	2.875	
01-4116-111-001	16	2.484	2.812	3.172	
01-4118-111-001	18	2.781	3.109	3.469	
01-4120-111-001	20	3.078	3.406	3.765	
01-4122-111-001	22	3.375	3.703	4.062	



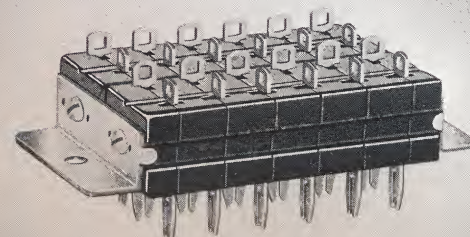
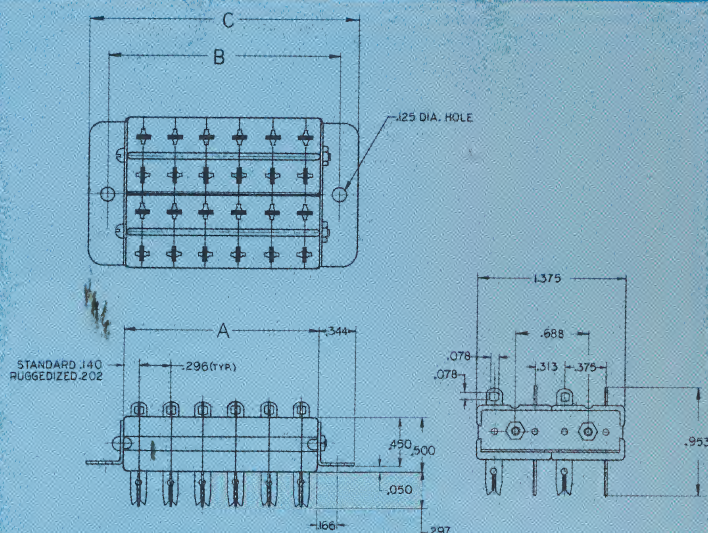
VARICON* Connectors, Standard Series 01

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-1212-111-004	12	.875	1.203	1.562	Regular
01-1216-111-004	16	1.172	1.500	1.859	
01-1220-111-004	20	1.469	1.797	2.156	
01-2224-111-004	24	1.891	2.219	2.578	Ruggedized
01-2228-111-004	28	2.187	2.516	2.875	
01-2232-111-004	32	2.484	2.812	3.172	
01-2236-111-004	36	2.781	3.109	3.469	
01-2240-111-004	40	3.078	3.406	3.765	
01-2244-111-004	44	3.375	3.703	4.062	

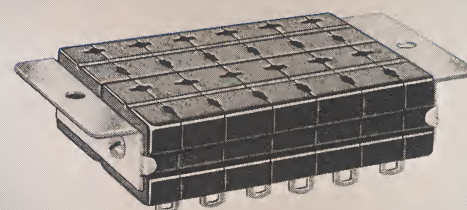
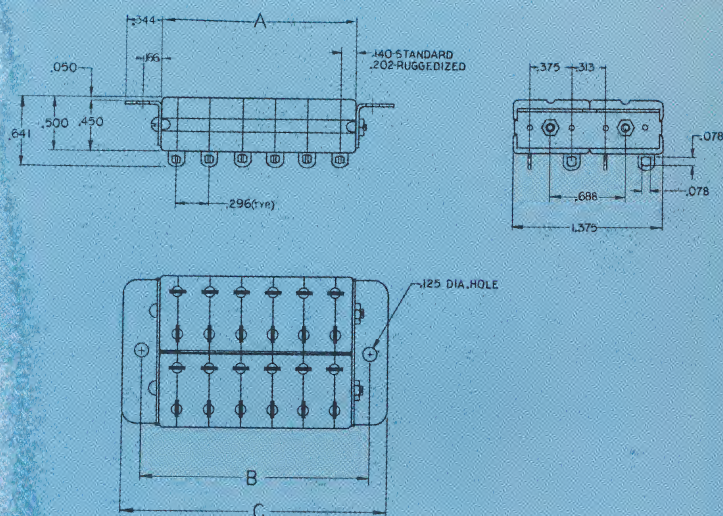
PLUG

Double Tier with Brackets

Ordering Numbers indicate general purpose insulators and nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.



APPROX. 3/4 ACTUAL SIZE



APPROX. 3/4 ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-3212-111-001	12	.875	1.203	1.562	Regular
01-3216-111-001	16	1.172	1.500	1.859	
01-3220-111-001	20	1.469	1.797	2.156	
01-4224-111-001	24	1.891	2.219	2.578	Ruggedized
01-4228-111-001	28	2.187	2.516	2.875	
01-4232-111-001	32	2.484	2.812	3.172	
01-4236-111-001	36	2.781	3.109	3.469	
01-4240-111-001	40	3.078	3.406	3.765	
01-4244-111-001	44	3.375	3.703	4.062	

RECEPTACLE

Double Tier with Brackets

Ordering Numbers indicate general purpose insulators and nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.



VARICON* Connectors, Standard Series 01

PLUG

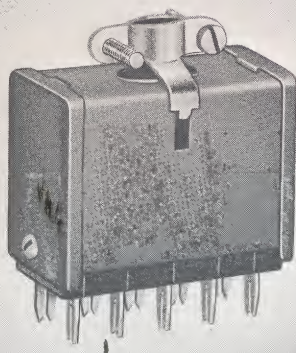
Single Tier with Cover

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials, and alternate location of cable clamp, or omission of cable clamp, see page 24.

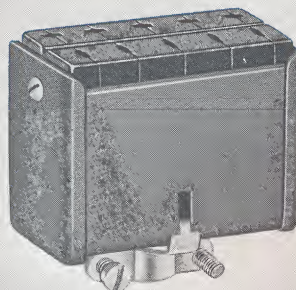
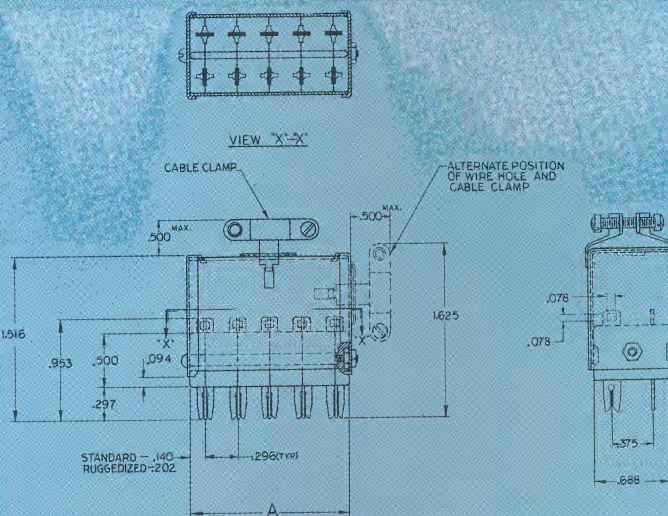
ORDERING NUMBER	WIRE HOLE DIAMETER††	NO. OF CONTACTS	DIM "A"	END SECTION
01-1104-105-004†	.375	4	.578	Regular
01-1106-104-004	.406	6	.875	
01-1108-104-004	.500	8	1.172	
01-1110-104-004	.500	10	1.469	
01-2112-104-004	.500	12	1.891	Ruggedized
01-2114-104-004	.500	14	2.187	
01-2116-104-004	.500	16	2.484	
01-2118-104-004	.500	18	2.781	

†END MOUNTED CABLE-CLAMP ONLY.

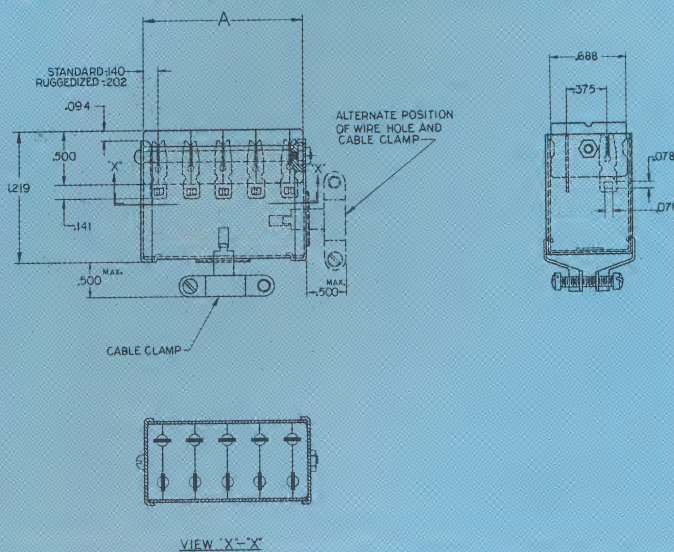
††WIRE HOLE DIAMETER FOR END CABLE-HOLE IS .375. TABLE SHOWS DIAMETER FOR TOP CABLE-HOLE.



APPROX. 3/4 ACTUAL SIZE



APPROX. 3/4 ACTUAL SIZE



RECEPTACLE

Single Tier with Cover

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials, and alternate location of cable clamp, or omission of cable clamp, see page 24.

ORDERING NUMBER	WIRE HOLE DIAMETER††	NO. OF CONTACTS	DIM "A"	END SECTION
01-3104-105-001†	.375	4	.578	Regular
01-3106-104-001	.406	6	.875	
01-3108-104-001	.500	8	1.172	
01-3110-104-001	.500	10	1.469	
01-4112-104-001	.500	12	1.891	Ruggedized
01-4114-104-001	.500	14	2.187	
01-4116-104-001	.500	16	2.484	
01-4118-104-001	.500	18	2.781	

†END MOUNTED CABLE-CLAMP ONLY.

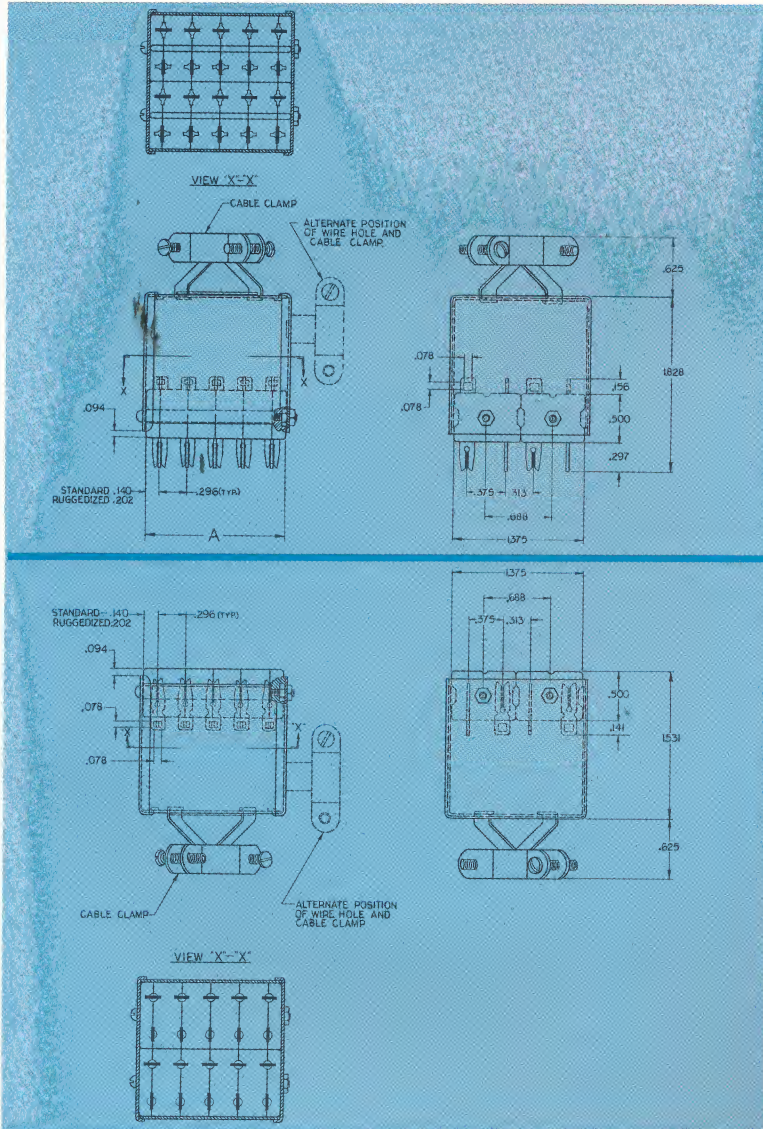
††WIRE HOLE DIAMETER FOR END CABLE-HOLE IS .375. TABLE SHOWS DIAMETER FOR TOP CABLE-HOLE.



VARICON* Connectors, Standard Series 01

ORDERING NUMBER	WIRE HOLE DIAMETER†	NO. OF CONTACTS	DIM "A"	END SECTION
01-1220-104-004	.750	20	1.469	Regular
01-2224-104-004	.750	24	1.891	Ruggedized
01-2228-104-004	.750	28	2.187	
01-2232-104-004	.750	32	2.484	
01-2236-104-004	.750	36	2.781	
01-2240-104-004	.750	40	3.078	
01-2244-104-004	.750	44	3.375	

†WIRE HOLE DIAMETER FOR END CABLE-HOLE IS .688. TABLE SHOWS DIAMETER FOR TOP CABLE-HOLE.



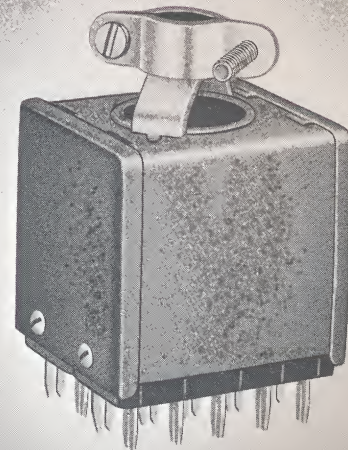
ORDERING NUMBER	WIRE HOLE DIAMETER†	NO. OF CONTACTS	DIM "A"	END SECTION
01-3220-104-001	.750	20	1.469	Regular
01-4224-104-001	.750	24	1.891	Ruggedized
01-4228-104-001	.750	28	2.187	
01-4232-104-001	.750	32	2.484	
01-4236-104-001	.750	36	2.781	
01-4240-104-001	.750	40	3.078	
01-4244-104-001	.750	44	3.375	

†WIRE HOLE DIAMETER FOR END CABLE-HOLE IS .688. TABLE SHOWS DIAMETER FOR TOP CABLE-HOLE.

PLUG

Double Tier with Cover

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and top cable hole. For method of specifying other materials, and alternate location of cable clamp, or omission of cable clamp, see page 24.



APPROX. 3/4 ACTUAL SIZE



APPROX. 3/4 ACTUAL SIZE

RECEPTACLE

Double Tier with Cover

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and top cable hole. For method of specifying other materials, and alternate location of cable clamp, or omission of cable clamp, see page 24.



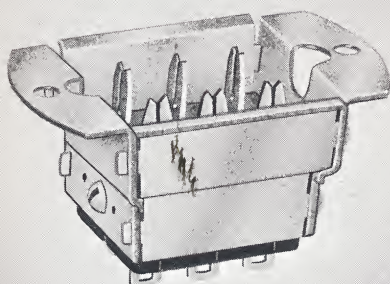
VARICON* Connectors, Standard Series 01

PLUG

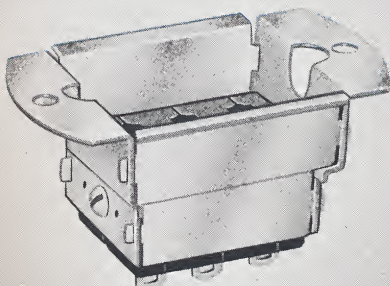
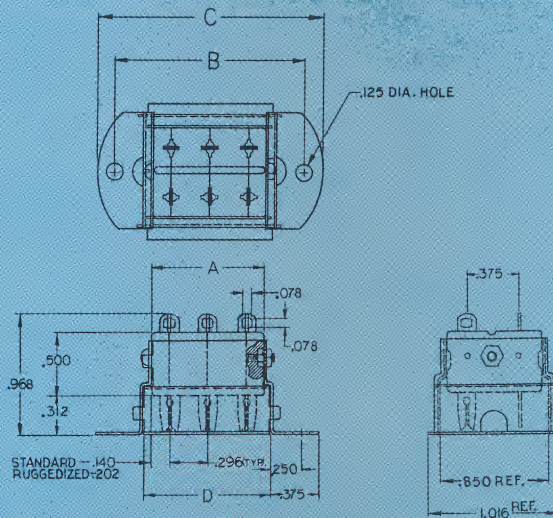
Single Tier with Recessed Housing

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and variations, see page 24.

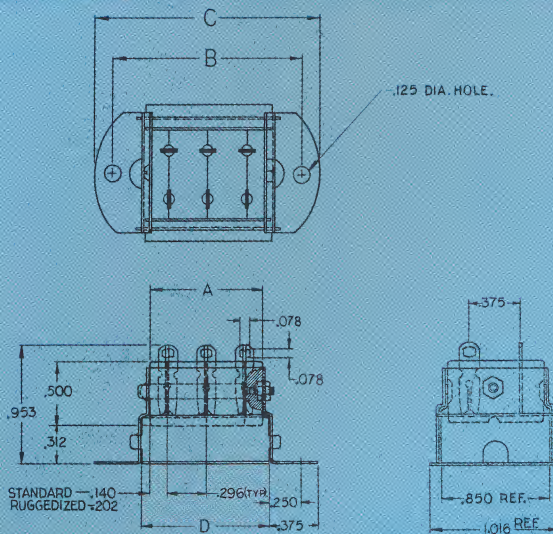
ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	END SECTION
01-1102-106-004	2	.281	.922	1.172	.422	Regular
01-1104-106-004	4	.578	1.219	1.469	.719	
01-1106-106-004	6	.875	1.516	1.766	1.016	
01-1108-106-004	8	1.172	1.812	2.062	1.312	
01-1110-106-004	10	1.469	2.109	2.359	1.609	
01-2112-106-004	12	1.891	2.531	2.781	2.031	Ruggedized
01-2114-106-004	14	2.187	2.828	3.078	2.328	
01-2116-106-004	16	2.484	3.125	3.375	2.625	
01-2118-106-004	18	2.781	3.422	3.672	2.922	
01-2120-106-004	20	3.078	3.718	3.969	3.219	
01-2122-106-004	22	3.375	4.016	4.266	3.516	



ACTUAL SIZE



ACTUAL SIZE



RECEPTACLE

Single Tier with Recessed Housing

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and variations, see page 24.

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	END SECTION
01-3102-106-001	2	.281	.922	1.172	.422	Regular
01-3104-106-001	4	.578	1.219	1.469	.719	
01-3106-106-001	6	.875	1.516	1.766	1.016	
01-3108-106-001	8	1.172	1.812	2.062	1.312	
01-3110-106-001	10	1.469	2.109	2.359	1.609	
01-4112-106-001	12	1.891	2.531	2.781	2.031	Ruggedized
01-4114-106-001	14	2.187	2.828	3.078	2.328	
01-4116-106-001	16	2.484	3.125	3.375	2.625	
01-4118-106-001	18	2.781	3.422	3.672	2.922	
01-4120-106-001	20	3.078	3.718	3.969	3.219	
01-4122-106-001	22	3.375	4.016	4.266	3.516	



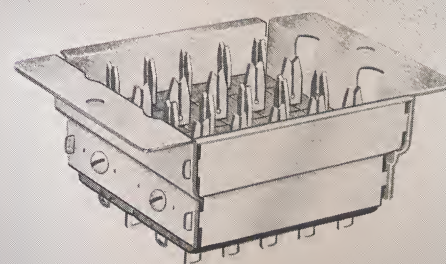
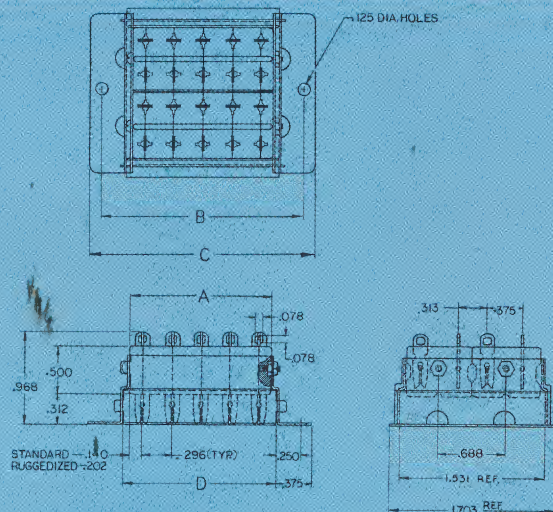
VARICON[®] Connectors, Standard Series 01

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	END SECTION
01-1208-106-004	8	.578	1.219	1.469	.719	Regular
01-1212-106-004	12	.875	1.516	1.766	1.016	
01-1216-106-004	16	1.172	1.812	2.062	1.312	
01-1220-106-004	20	1.469	2.109	2.359	1.609	
01-2224-106-004	24	1.891	2.531	2.781	2.031	Ruggedized
01-2228-106-004	28	2.187	2.828	3.078	2.328	
01-2232-106-004	32	2.484	3.125	3.375	2.625	
01-2236-106-004	36	2.781	3.422	3.672	2.922	
01-2240-106-004	40	3.078	3.718	3.969	3.219	
01-2244-106-004	44	3.375	4.016	4.266	3.516	

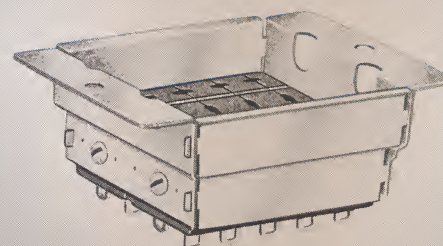
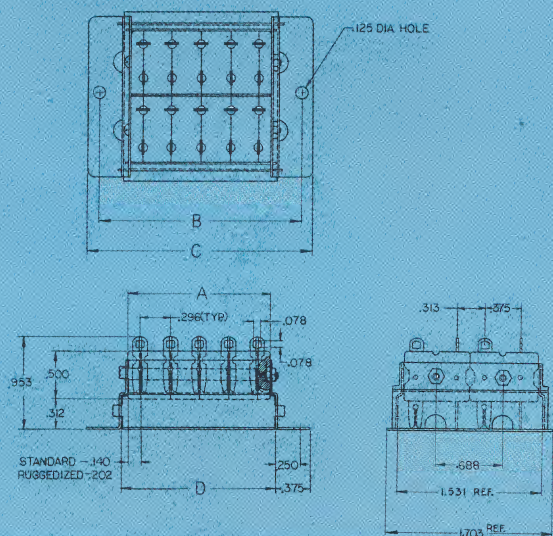
PLUG

Double Tier with Recessed Housing

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and variations, see page 24.



APPROX. 3/4 ACTUAL SIZE



APPROX. 3/4 ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	DIM "D"	END SECTION
01-3208-106-001	8	.578	1.219	1.469	.719	Regular
01-3212-106-001	12	.875	1.516	1.766	1.016	
01-3216-106-001	16	1.172	1.812	2.062	1.312	
01-3220-106-001	20	1.469	2.109	2.359	1.609	
01-4224-106-001	24	1.891	2.531	2.781	2.031	Ruggedized
01-4228-106-001	28	2.187	2.828	3.078	2.328	
01-4232-106-001	32	2.484	3.125	3.375	2.625	
01-4236-106-001	36	2.781	3.422	3.672	2.922	
01-4240-106-001	40	3.078	3.718	3.969	3.219	
01-4244-106-001	44	3.375	4.016	4.266	3.516	

RECEPTACLE

Double Tier with Recessed Housing

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and variations, see page 24.

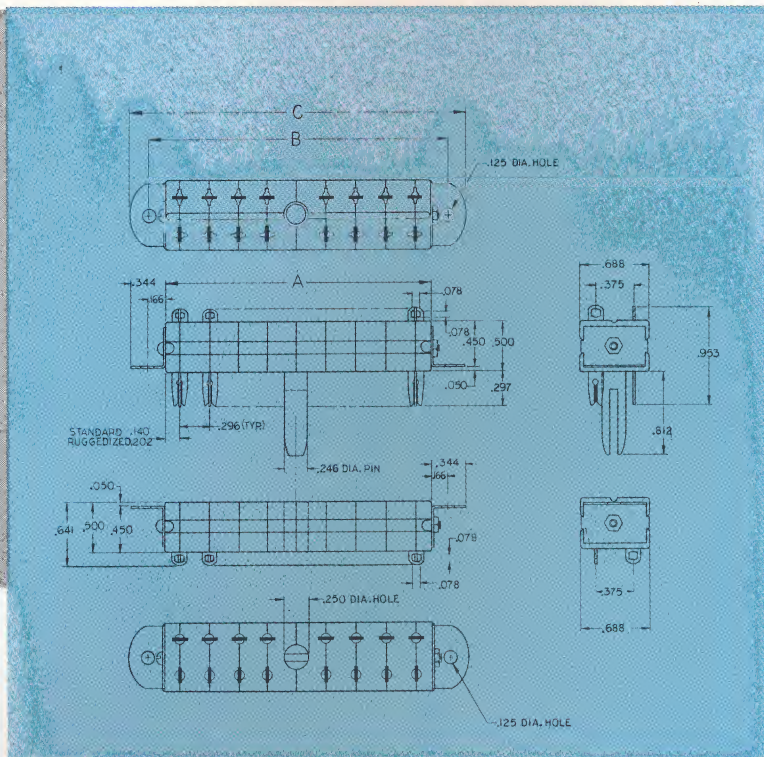
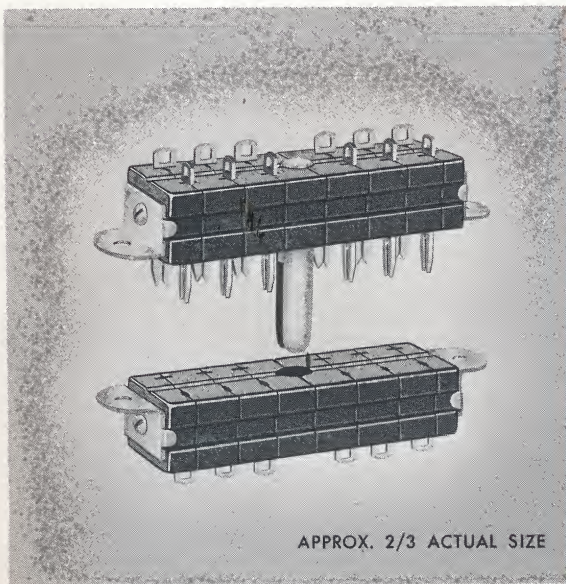


VARICON[®] Connectors, Standard Series 01

PLUG and RECEPTACLE —Single Tier with Guide Pin

Through the use of guide pins, plug and receptacle members are positively guided to provide parallel insertion and withdrawal, making it impossible to overstress the contacts. A specially-molded, single tier center section provides a hole which either serves to mount the guide pin or functions as the mating guide hole. The slotted guide pin itself is made of .246" diameter cadmium plated steel and extends .812" ahead of the insulator.

The sturdy size of the guide pin necessitates the omission of two contacts at the center line of the pin. (See table below.) Preferably the plug member of the connector should be equipped with the guide pin to provide protection for the exposed contacts when disengaged. Refer to the ordering code on page 24 for the correct method of ordering more than one guide pin per connector or for specifying the guide pin mounted in the receptacle.



STANDARD GUIDE PIN LOCATIONS	CATALOG NO. OF CONTACTS	6	8	10	12	14	16	18	WIRING VIEW OF CONNECTORS
	ACTUAL NO. OF CONTACTS WITH ONE GUIDE PIN OR HOLE								
	RECEP.	01-3106-III-301	01-3108-III-301	01-3110-III-301	01-4112-III-301	01-4114-III-301	01-4116-III-301	01-4118-III-301	
	PLUG	01-1106-III-104	01-1108-III-104	01-1110-III-104	01-2112-III-104	01-2114-III-104	01-2116-III-104	01-2118-III-104	
	GENERAL DIMS.	DIM. "A" = .875 DIM. "B" = 1.203 DIM. "C" = 1.562	DIM. "A" = 1.172 DIM. "B" = 1.500 DIM. "C" = 1.859	DIM. "A" = 1.469 DIM. "B" = 1.797 DIM. "C" = 2.156	DIM. "A" = 1.891 DIM. "B" = 2.219 DIM. "C" = 2.578	DIM. "A" = 2.187 DIM. "B" = 2.516 DIM. "C" = 2.875	DIM. "A" = 2.484 DIM. "B" = 2.812 DIM. "C" = 3.172	DIM. "A" = 2.781 DIM. "B" = 3.109 DIM. "C" = 3.469	

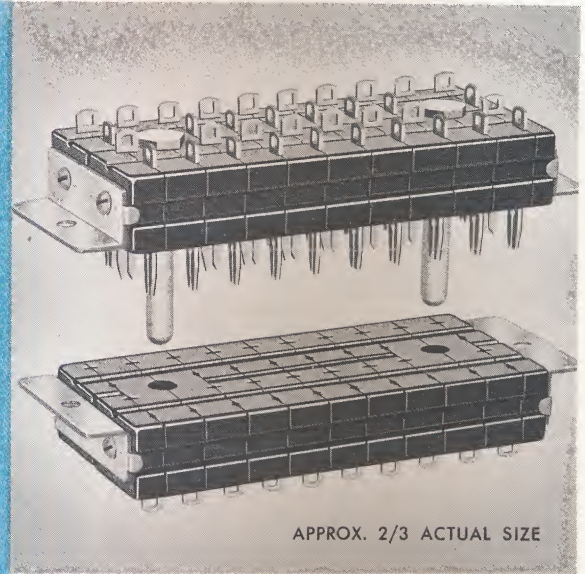
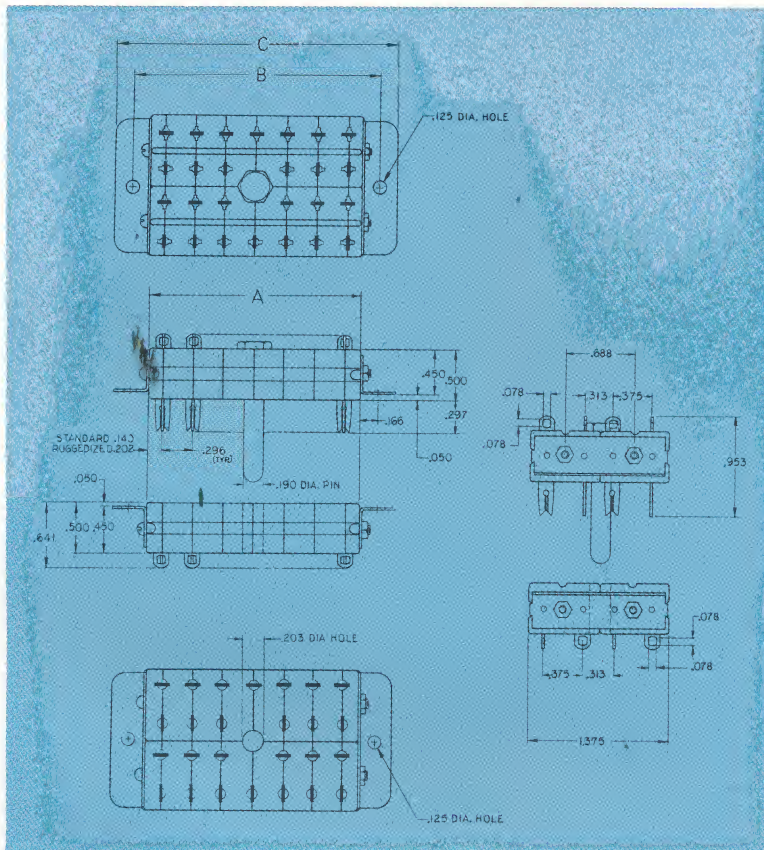


VARICON* Connectors, Standard Series 01

PLUG and RECEPTACLE —Double Tier with Guide Pin

One or two guide pins can be provided in double-tier connectors. A special double tier center section provides a hole at the center which either serves to mount the guide pin or functions as the mating guide hole. The pin itself is .190" diameter cadmium plated steel and extends .812" ahead of the insulator.

When using one guide pin, two contacts are omitted. When using two guide pins, four contacts are omitted per connector. Part numbers shown below indicate standard configurations with guide pin in plug member of connector. For method of specifying other configurations, see page 24.



STANDARD GUIDE PIN LOCATIONS	CATALOG NO. OF CONTACTS	12	16	20	24	28	32	36	40	44
	ACTUAL NO. OF CONTACTS WITH ONE GUIDE PIN OR HOLE									
	RECEPTACLE	01-3212-III-301	01-3216-III-301	01-3220-III-301	01-4224-III-301	01-4228-III-301	01-4232-III-301	01-4236-III-301	01-4240-III-301	01-4244-III-301
	PLUG	01-1212-III-104	01-1216-III-104	01-1220-III-104	01-2224-III-104	01-2228-III-104	01-2232-III-104	01-2236-III-104	01-2240-III-104	01-2244-III-104
GENERAL DIMS.	RECEPTACLE	DIM. A = .875 DIM. B = 1.203 DIM. C = 1.562	DIM. A = 1.172 DIM. B = 1.500 DIM. C = 1.859	DIM. A = 1.469 DIM. B = 1.797 DIM. C = 2.156	DIM. A = 1.891 DIM. B = 2.219 DIM. C = 2.578	DIM. A = 2.187 DIM. B = 2.516 DIM. C = 2.875	DIM. A = 2.484 DIM. B = 2.812 DIM. C = 3.172	DIM. A = 2.781 DIM. B = 3.109 DIM. C = 3.469	DIM. A = 3.078 DIM. B = 3.406 DIM. C = 3.765	DIM. A = 3.375 DIM. B = 3.703 DIM. C = 4.062
	PLUG			DIM. A = 1.469 DIM. B = 1.797 DIM. C = 2.156	DIM. A = 1.891 DIM. B = 2.219 DIM. C = 2.578	DIM. A = 2.187 DIM. B = 2.516 DIM. C = 2.875	DIM. A = 2.484 DIM. B = 2.812 DIM. C = 3.172	DIM. A = 2.781 DIM. B = 3.109 DIM. C = 3.469	DIM. A = 3.078 DIM. B = 3.406 DIM. C = 3.765	DIM. A = 3.375 DIM. B = 3.703 DIM. C = 4.062
	RECEPTACLE			01-3220-III-401	01-4224-III-401	01-4228-III-401	01-4232-III-401	01-4236-III-401	01-4240-III-401	01-4244-III-401
	PLUG			01-1220-III-204	01-2224-III-204	01-2228-III-204	01-2232-III-204	01-2236-III-204	01-2240-III-204	01-2244-III-204
WIRING VIEW OF CONNECTORS	RECEPTACLE			DIM. A = 1.469 DIM. B = 1.797 DIM. C = 2.156	DIM. A = 1.891 DIM. B = 2.219 DIM. C = 2.578	DIM. A = 2.187 DIM. B = 2.516 DIM. C = 2.875	DIM. A = 2.484 DIM. B = 2.812 DIM. C = 3.172	DIM. A = 2.781 DIM. B = 3.109 DIM. C = 3.469	DIM. A = 3.078 DIM. B = 3.406 DIM. C = 3.765	DIM. A = 3.375 DIM. B = 3.703 DIM. C = 4.062
	PLUG			DIM. A = 1.469 DIM. B = 1.797 DIM. C = 2.156	DIM. A = 1.891 DIM. B = 2.219 DIM. C = 2.578	DIM. A = 2.187 DIM. B = 2.516 DIM. C = 2.875	DIM. A = 2.484 DIM. B = 2.812 DIM. C = 3.172	DIM. A = 2.781 DIM. B = 3.109 DIM. C = 3.469	DIM. A = 3.078 DIM. B = 3.406 DIM. C = 3.765	DIM. A = 3.375 DIM. B = 3.703 DIM. C = 4.062
	RECEPTACLE			01-3220-III-401	01-4224-III-401	01-4228-III-401	01-4232-III-401	01-4236-III-401	01-4240-III-401	01-4244-III-401
	PLUG			01-1220-III-204	01-2224-III-204	01-2228-III-204	01-2232-III-204	01-2236-III-204	01-2240-III-204	01-2244-III-204



VARICON* Connectors, Standard Series 01

PLUG and RECEPTACLE with Actuating Screw

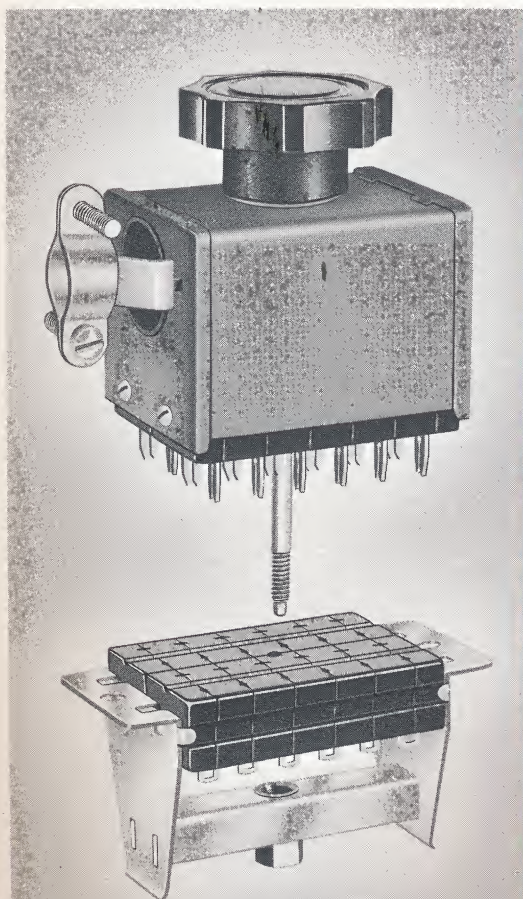
A spindle, operated by a knob on top of the connector housing, screws into a nut, located in a bridge behind the mating member. This feature permits connecting and disconnecting with low torque at the knob and guarantees parallel insertion and withdrawal of the contacts, making it impossible to overstress the contacts. In addition, the screw device acts as a vibration proof locking feature for the mated connectors.

The bridge, with the nut riveted to it, is securely held in position between two brackets. A slight outward bend of the brackets allows removal of the bridge during wiring of the connector, thereby creating full accessibility to the contact tails.

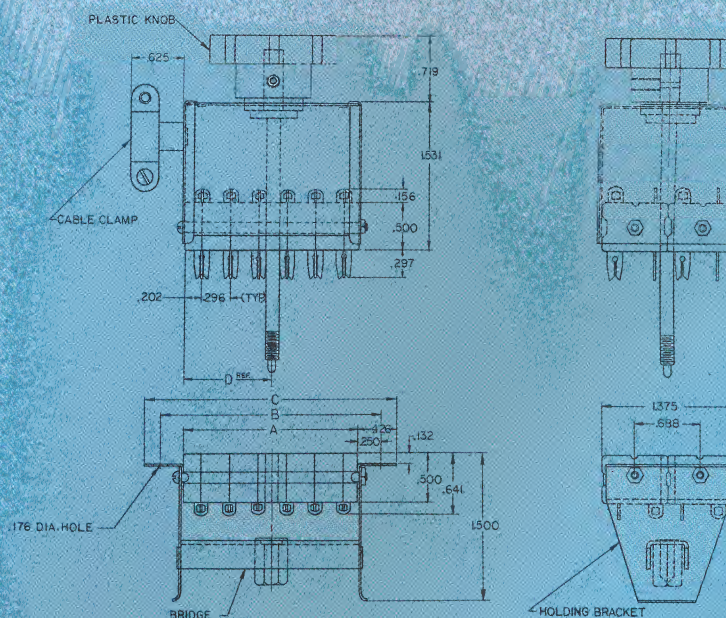
Actuating screws are supplied only for double tier VARICON*

Connectors in sizes from 20 to 44 contacts. A hole for the spindle is provided in the plug and receptacle units at the center of the connector, or offset by one row, depending on the number of contacts. The breakdown voltage between this spindle, which has ground potential, and the adjacent four contacts is 1,000 volts at sea level. In all other respects, the general specifications of our Standard VARICON* Connectors will apply.

Preferably, the plug member of the connector should be the one with a cover, spindle and nut, because the extending spindle gives added protection to the exposed plug contacts when disengaged. Plug and receptacle can be reversed on customer's request as standard practice in ELCO's VARICON* Connectors.



APPROX. 2/3 ACTUAL SIZE



NOTES:

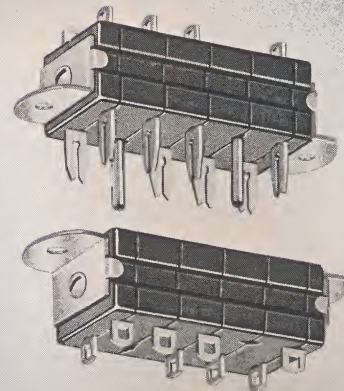
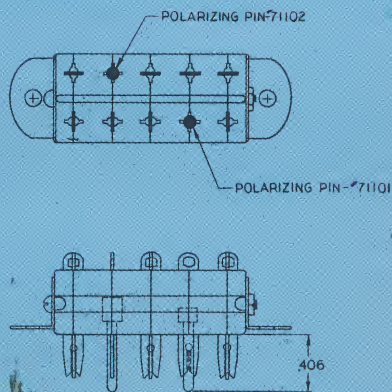
1. Cover end plate with cable clamp is permanently attached, and assembled on same end as screw heads.
2. Dimension "D" always taken from end with cable clamp.

ORDERING NUMBER		NUMBER OF CONTACTS	DIMENSIONS			
RECEPTACLE WITH HOLDING BRACKET	PLUG WITH COVER AND SPINDLE		A	B	C	D REF.
01-4220-117-001	01-2220-107-004	20	1.594	2.094	2.438	.942
01-4224-117-001	01-2224-107-004	24	1.891	2.391	2.734	.942
01-4228-117-001	01-2228-107-004	28	2.187	2.688	3.031	1.238
01-4232-117-001	01-2232-107-004	32	2.484	2.984	3.328	1.238
01-4236-117-001	01-2236-107-004	36	2.781	3.281	3.625	1.534
01-4240-117-001	01-2240-107-004	40	3.078	3.578	3.922	1.534
01-4244-117-001	01-2244-107-004	44	3.375	3.875	4.219	1.830



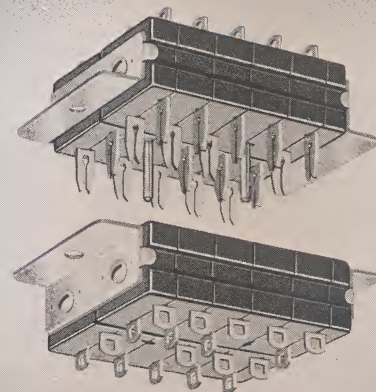
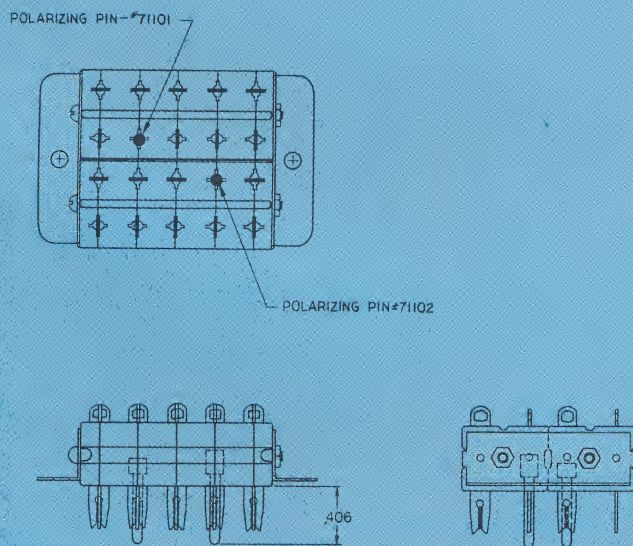
VARICON[®] Connectors, *Special Series 01*

PLUG and RECEPTACLE Single Tier with Polarizing Pin



APPROX. 3/4 ACTUAL SIZE

PLUG and RECEPTACLE Double Tier with Polarizing Pin



APPROX. 3/4 ACTUAL SIZE

NOTES:

1. When using polarizing pin in horizontal contact position, order pin 71102.
2. When using polarizing pin in vertical contact position order pin 71101.
3. When using two polarizing pins in plug connector, two contacts are lost.
4. When using two polarizing holes in receptacle connector, two contacts are lost.
5. Polarizing pins can be used in any contact position.
6. Polarizing pins are not included in the Ordering Code (Page 24) and must be ordered separately. Refer to Numbering System on Page 22 for exact location designations.

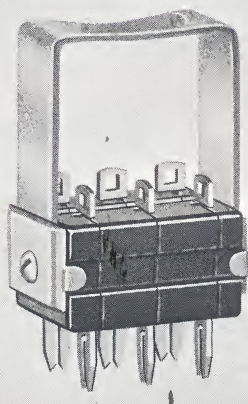


VARICON* Connectors, Special Series 01

PLUG

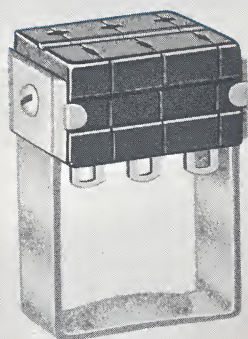
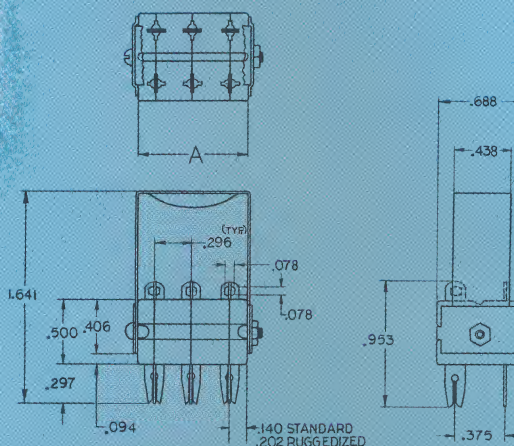
Single Tier with Handle

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials and variations, see page 24.

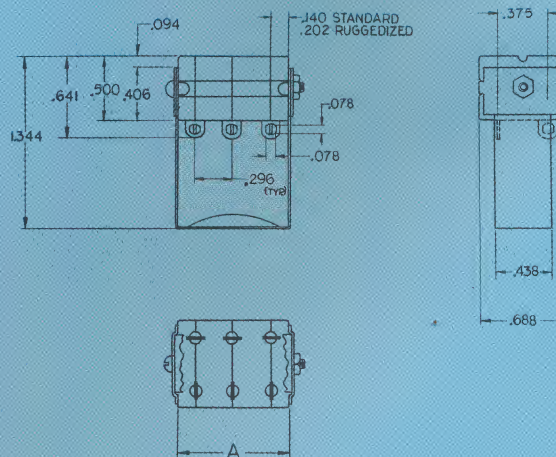


ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	END SECTION
01-1106-101-004	6	.875	Regular
01-1108-101-004	8	1.172	
01-1110-101-004	10	1.469	
01-2112-101-004	12	1.891	Ruggedized
01-2114-101-004	14	2.187	
01-2116-101-004	16	2.484	
01-2118-101-004	18	2.781	



ACTUAL SIZE



RECEPTACLE

Single Tier with Handle

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials and variations, see page 24.

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	END SECTION
01-3106-101-001	6	.875	Regular
01-3108-101-001	8	1.172	
01-3110-101-001	10	1.469	
01-4112-101-001	12	1.891	Ruggedized
01-4114-101-001	14	2.187	
01-4116-101-001	16	2.484	
01-4118-101-001	18	2.781	



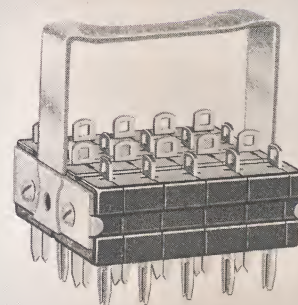
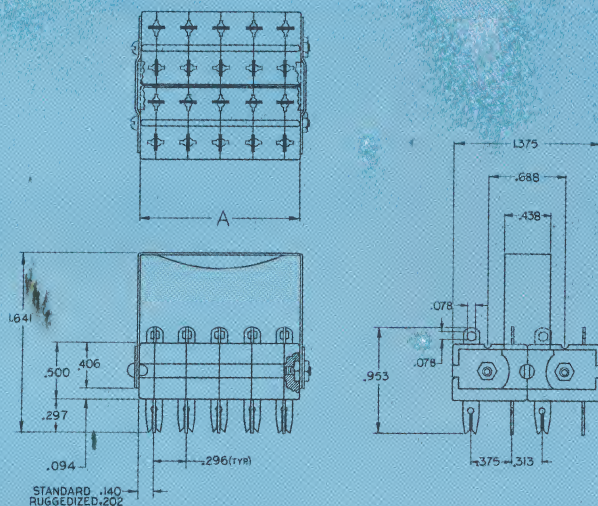
VARICON* Connectors, Special Series 01

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	END SECTION
01-1212-101-004	12	.875	Regular
01-1216-101-004	16	1.172	
01-1220-101-004	20	1.469	
01-2224-101-004	24	1.891	Ruggedized
01-2228-101-004	28	2.187	
01-2232-101-004	32	2.484	
01-2236-101-004	36	2.781	

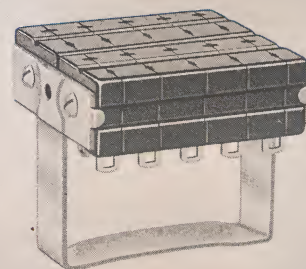
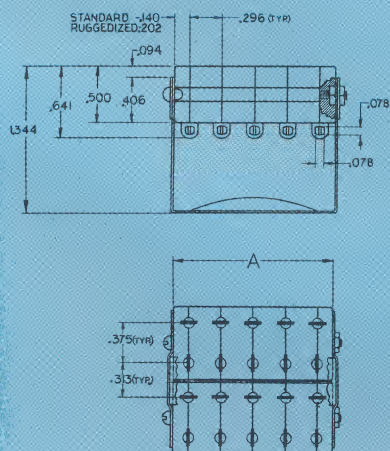
PLUG

Double Tier with Handle

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials and variations, see page 24.



APPROX. 3/4 ACTUAL SIZE



APPROX. 3/4 ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	END SECTION
01-3212-101-001	12	.875	Regular
01-3216-101-001	16	1.172	
01-3220-101-001	20	1.469	
01-4224-101-001	24	1.891	Ruggedized
01-4228-101-001	28	2.187	
01-4232-101-001	32	2.484	
01-4236-101-001	36	2.781	

RECEPTACLE

Double Tier with Handle

Ordering Numbers indicate general purpose insulators and nickel silver contacts. For method of specifying other materials and variations, see page 24.

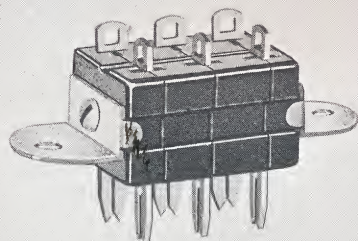


VARICON* Connectors, Special Series 01

PLUG

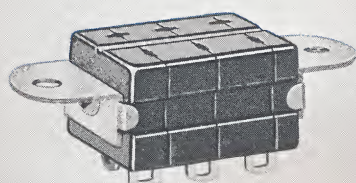
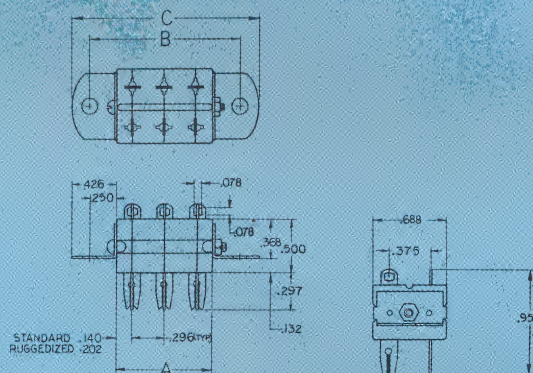
Single Tier with Elongated Brackets

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.

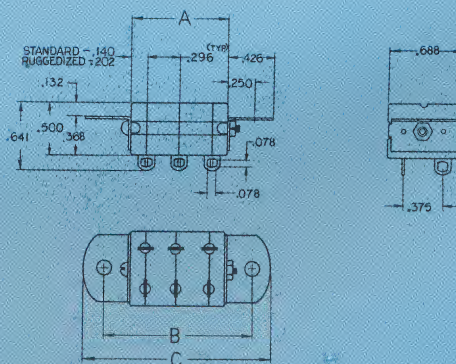


ACTUAL SIZE

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-1102-114-004	2	.281	.781	1.141	Regular
01-1104-114-004	4	.578	1.078	1.422	
01-1106-114-004	6	.875	1.375	1.719	
01-1108-114-004	8	1.172	1.672	2.016	
01-1110-114-004	10	1.469	1.969	2.312	
01-2112-114-004	12	1.891	2.391	2.734	Ruggedized
01-2114-114-004	14	2.187	2.687	3.031	
01-2116-114-004	16	2.484	2.984	3.328	
01-2118-114-004	18	2.781	3.281	3.625	
01-2120-114-004	20	3.078	3.578	3.922	
01-2122-114-004	22	3.375	3.875	4.219	



ACTUAL SIZE



RECEPTACLE

Single Tier with Elongated Brackets

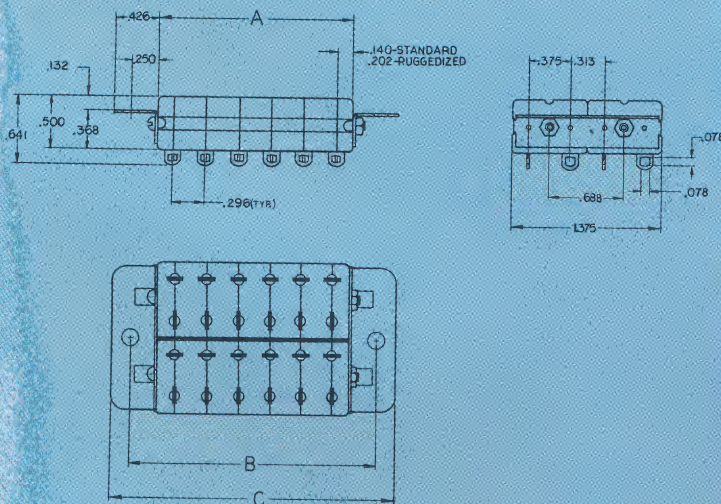
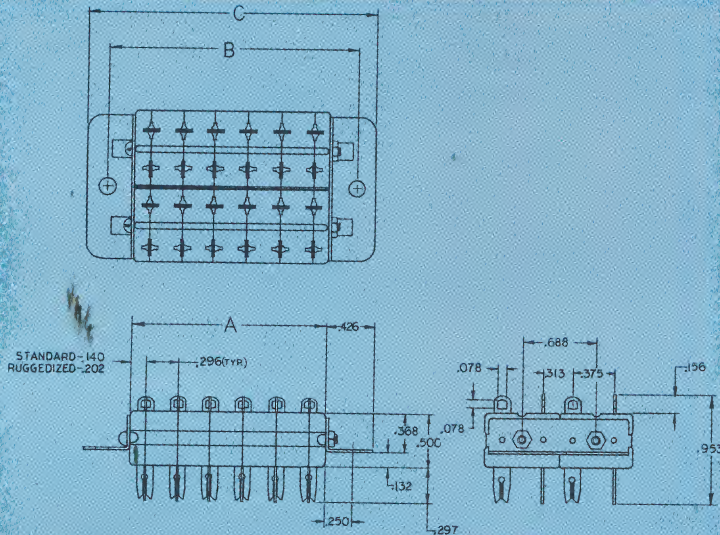
Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-3102-114-001	2	.281	.781	1.141	Regular
01-3104-114-001	4	.578	1.078	1.422	
01-3106-114-001	6	.875	1.375	1.719	
01-3108-114-001	8	1.172	1.672	2.016	
01-3110-114-001	10	1.469	1.969	2.312	
01-4112-114-001	12	1.891	2.391	2.734	Ruggedized
01-4114-114-001	14	2.187	2.687	3.031	
01-4116-114-001	16	2.484	2.984	3.328	
01-4118-114-001	18	2.781	3.281	3.625	
01-4120-114-001	20	3.078	3.578	3.922	
01-4122-114-001	22	3.375	3.875	4.219	



VARICON* Connectors, Special Series 01

ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-1212-115-004 01-1216-115-004 01-1220-115-004	12 16 20	.875 1.172 1.469	1.375 1.672 1.969	1.719 2.016 2.312	Regular
01-2224-115-004 01-2228-115-004 01-2232-115-004 01-2236-115-004 01-2240-115-004 01-2244-115-004	24 28 32 36 40 44	1.891 2.187 2.484 2.781 3.078 3.375	2.391 2.687 2.984 3.281 3.578 3.875	2.734 3.031 3.328 3.625 3.922 4.219	Ruggedized

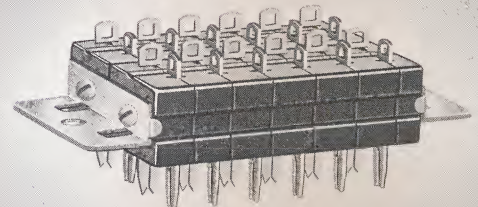


ORDERING NUMBER	NO. OF CONTACTS	DIM "A"	DIM "B"	DIM "C"	END SECTION
01-3212-115-001 01-3216-115-001 01-3220-115-001	12 16 20	.875 1.172 1.469	1.375 1.672 1.969	1.719 2.016 2.312	Regular
01-4224-115-001 01-4228-115-001 01-4232-115-001 01-4236-115-001 01-4240-115-001 01-4244-115-001	24 28 32 36 40 44	1.891 2.187 2.484 2.781 3.078 3.375	2.391 2.687 2.984 3.281 3.578 3.875	2.734 3.031 3.328 3.625 3.922 4.219	Ruggedized

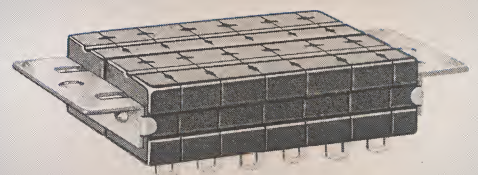
PLUG

Double Tier with Elongated Brackets

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.



APPROX. 3/4 ACTUAL SIZE



APPROX. 3/4 ACTUAL SIZE

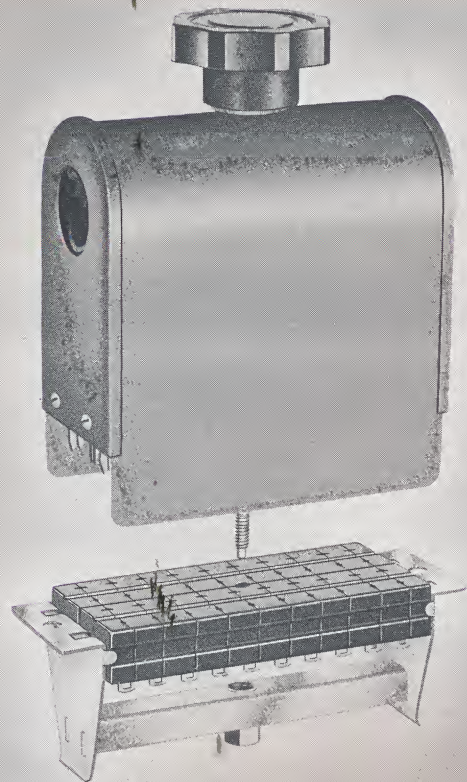
RECEPTACLE

Double Tier with Elongated Brackets

Ordering Numbers indicate general purpose insulators, nickel silver contacts, and bracket mounting holes as illustrated. For method of specifying other materials and mounting hole variations, see page 24.



VARICON* Connectors, *Special Series 01*



APPROX. 1/2 ACTUAL SIZE

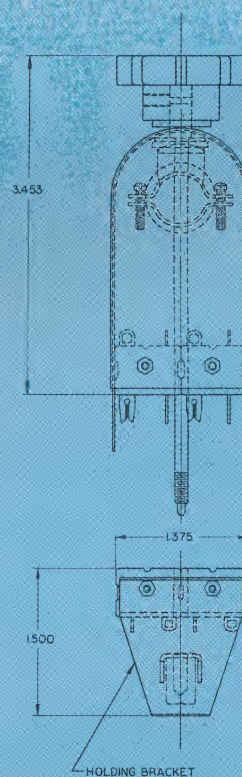
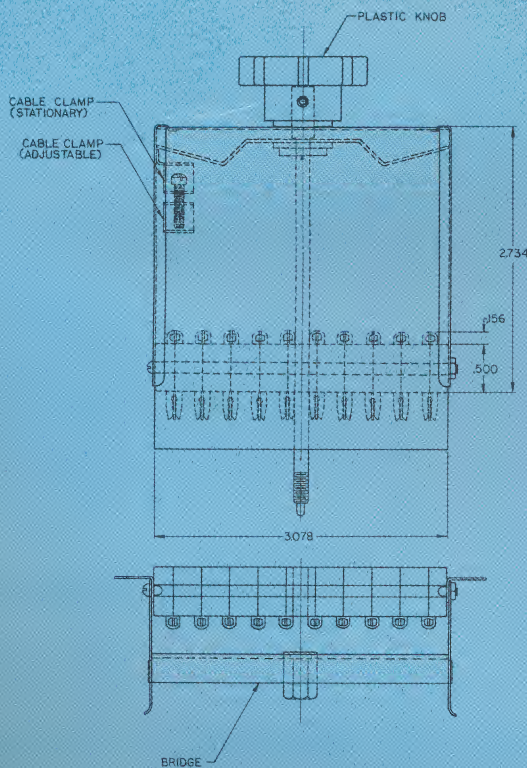
PLUG and RECEPTACLE with "Mailbox" Type Cover, Actuating Screw, and Cable Clamp

Made in 40 contact size only. Polarizing pins, if desired, are used in plug connectors only. Polarizing pin holes are provided in receptacle connectors. Mating connector normally would be the same type as provided in the standard actuating screw type VARICON* Connector.

ORDERING NUMBER:

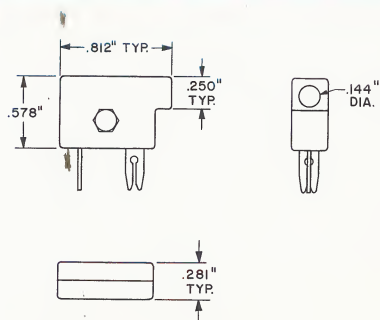
PLUG CONNECTOR: 01-2240-108-004

MATING RECEPTACLE: 01-4240-117-001





VARICON* Connectors, Special Series 01



RIGHT ANGLE CONNECTOR

Available in two-wire plug and receptacle units. (Only male is shown here.) These right-angle VARICON* Connectors make it possible to run wire or cables parallel to panels, thus conserving space. Units may be used singly and inserted in mating connectors side by side; or in any skip rotation. Also may be bolted together to form multiple circuit right-angle connectors.

ORDERING NUMBER:
PLUG 01-1102-120-001
RECEPTACLE 01-3102-120-001

FIGS. 1, 1A, 1B, 1C APPROX. 1/2 ACTUAL SIZE



FIG. 1A

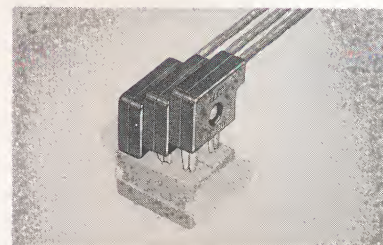


FIG. 1B

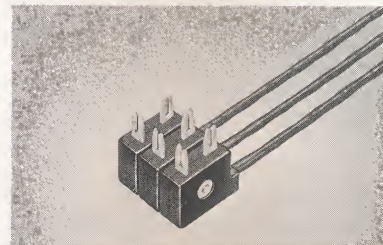
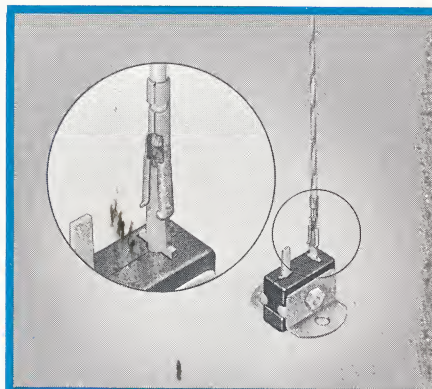


FIG. 1C



TAPER TAB TERMINATIONS

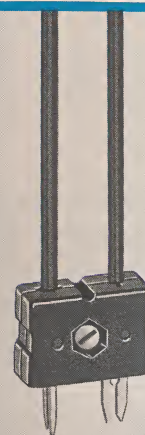
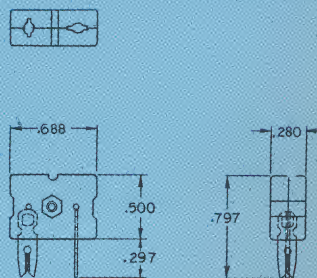
This feature has been added in response to demand for VARICON* contacts with solderless terminals. No interference with brackets, handles, covers, or clamps. Can be furnished with all type connectors.

FIG. 1

TOP ENTRY PLUG WITH CONCEALED TERMINATIONS

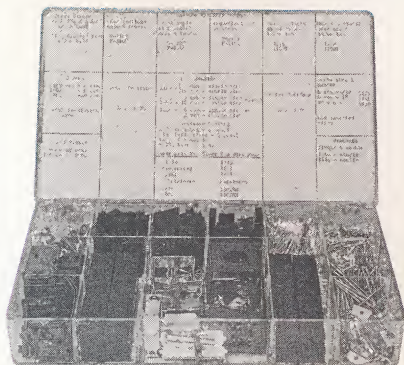
Similar in concept to the right-angle VARICON* Connectors. The only variation being the top entry concealed terminals. One of its applications could be as a power plug where units may be used singly and inserted in mating connectors side by side.

ORDERING NUMBER:
01-1102-100-001



ACTUAL SIZE

ELCO VARICON* KIT OFFERS UNLIMITED DESIGN POTENTIALS



You can make any connector the way you want it, the size you want it, and when you want it—thanks to the ELCO VARICON* Connector Kit.

The Kit includes all parts necessary to accomplish this for experimentation, laboratory and/or prototypes.

The patented, fork-design, coined contacts make the most reliability-proven connections and have, in themselves, earned for ELCO a world-wide reputation. In addition, the various assemblies and pin-configurations, made possible by parts included in the Kit, offer the widest versatility for immediate application.

Included in the Kit are plug and receptacle contacts, end and center sections, brackets,

and housings, plus an assortment of various screws and nuts.

Complete assembly instructions and parts reordering numbers will be found in the Kit; all contained in a handsome, transparent plastic box.

What will not be found in the Kit is your own ingenuity and inventiveness in discovering such a long-wanted need so adequately answered.

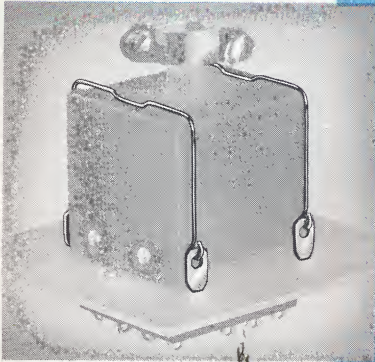
ELCO VARICON* Connector Kits are available in two sizes:

- 01-7001 General Purpose ELCO VARICON* Connector Kit
- 01-7003 Smaller ELCO VARICON* Connector Kit



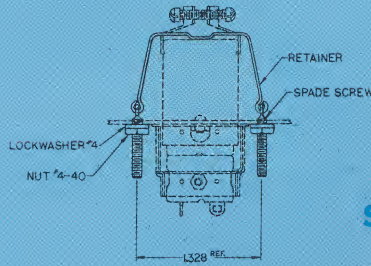
VARICON* Connectors, Special Series 01

RETAINER ASSEMBLY



Also Available with
Cotter Pins Instead
of Spade Screws

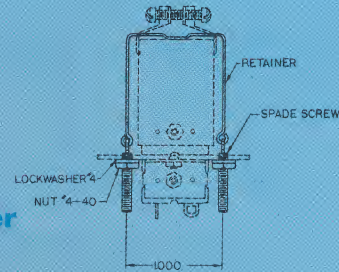
RECESSED HOUSING ASSEMBLY



ORDERING NUMBER: 01-1301-01

FOR CHASSIS LAYOUT SEE PAGE 23

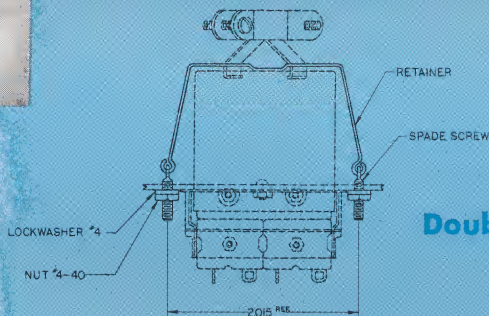
STANDARD BRACKET ASSEMBLY



ORDERING NUMBER: 01-1301-00

Single Tier

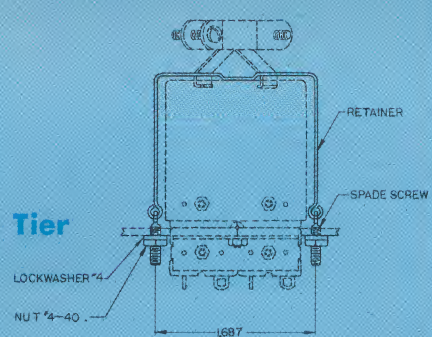
RECESSED HOUSING ASSEMBLY



ORDERING NUMBER: 01-1302-01

FOR CHASSIS LAYOUT SEE PAGE 23

STANDARD BRACKET ASSEMBLY



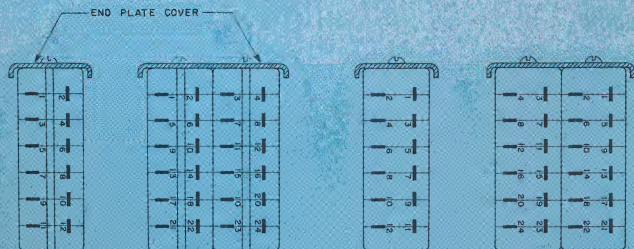
ORDERING NUMBER: 01-1302-00

Double Tier



VARICON* Connectors — Numbering System

As an option, your ELCO VARICON* Connectors can be supplied with our standard numbering system printed on the wiring side. Numbered connectors increase efficiency by simplifying the task of wiring complex unit assemblies.



SINGLE
TIER

DOUBLE
TIER

SINGLE
TIER

DOUBLE
TIER

PLUG

RECEPTACLE



NUMBERING ON
WIRING SIDE ONLY



VARICON* Connectors Mounting Data

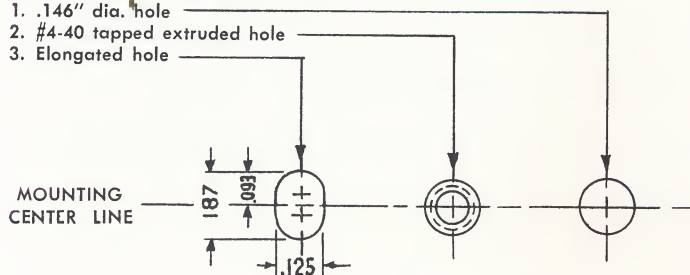
BRACKET MOUNTING HOLE SPECIFICATIONS

Single Tier Standard Brackets

1. .125" dia. hole
2. #4-40 tapped extruded hole

Single Tier Elongated Brackets

1. .146" dia. hole
2. #4-40 tapped extruded hole
3. Elongated hole

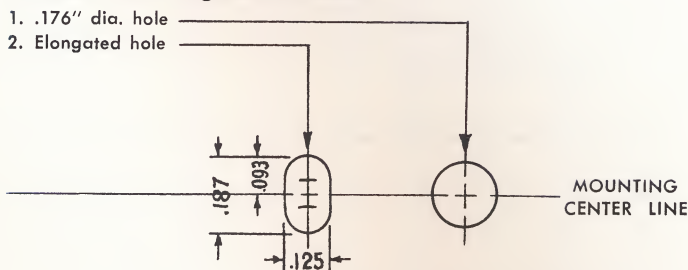


Double Tier Standard Brackets

1. .125" dia. hole
2. #4-40 tapped extruded hole
3. .146" dia. hole recessed housing

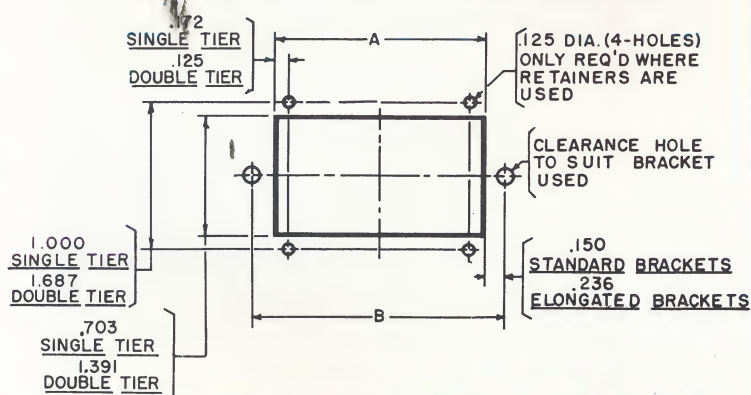
Double Tier Elongated Brackets

1. .176" dia. hole
2. Elongated hole

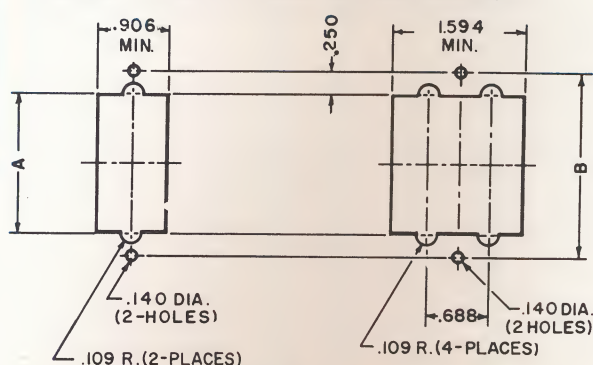


RETAINER MOUNTING HOLE DIMENSIONS

VARICON* CONNECTORS WITH MOUNTING BRACKETS



VARICON* CONNECTORS WITH RECESSED HOUSINGS



SINGLE TIER

DOUBLE TIER

SINGLE TIER	DOUBLE TIER	DIMENSIONS IN INCHES		
		A	B	
			STANDARD BRACKETS	ELONGATED BRACKETS
2		.309	.609	.781
4		.606	.906	.781
6	12	.903	1.203	1.375
8	16	1.200	1.500	1.672
10	20	1.497	1.797	1.969
12	24	1.794	2.094	2.266
14	28	2.091	2.391	2.562
16	32	2.387	2.688	2.859
18	36	2.684	2.984	3.156
20	40	2.981	3.281	3.453
22	44	3.278	3.578	3.750

SINGLE TIER	DOUBLE TIER	DIMENSIONS IN INCHES	
		A	B
2		.422	.922
4	8	.719	1.219
6	12	1.016	1.516
8	16	1.312	1.812
10	20	1.609	2.109
12	24	1.906	2.406
14	28	2.203	2.703
16	32	2.500	3.000
18	36	2.797	3.297
20	40	3.094	3.594
22	44	3.391	3.891

RUGGEDIZED

SINGLE TIER	DOUBLE TIER	DIMENSIONS IN INCHES		
		A	B	
			STANDARD BRACKETS	ELONGATED BRACKETS
2		.434	.734	.906
4		.731	1.031	1.203
6	12	1.028	1.328	1.500
8	16	1.325	1.625	1.797
10	20	1.622	1.922	2.094
12	24	1.919	2.219	2.391
14	28	2.216	2.516	2.687
16	32	2.512	2.812	2.984
18	36	2.809	3.109	3.281
20	40	3.106	3.406	3.578
22	44	3.403	3.703	3.875

RUGGEDIZED

SINGLE TIER	DOUBLE TIER	DIMENSIONS IN INCHES	
		A	B
2		.547	1.047
4	8	.844	1.344
6	12	1.141	1.641
8	16	1.437	1.937
10	20	1.734	2.234
12	24	2.031	2.531
14	28	2.328	2.828
16	32	2.625	3.125
18	36	2.922	3.422
20	40	3.219	3.718
22	44	3.516	4.016



VARICON* Connectors

SPECIFICATIONS AND ORDERING CODE

SPECIFICATIONS

CURRENT RATING: 9 Amperes, maximum

CONTACT RESISTANCE: 0.007 Ohm, maximum

CONTACT MATERIAL: †Nickel-Silver, per specification ASTM B-122, Alloy #8

INSULATOR MATERIAL: General Purpose Phenolic, per MIL-P-10420

INSULATOR RESISTANCE: 25,000 Megohms, minimum

DIELECTRIC WITHSTANDING VOLTAGE: (at 52% Relative Humidity):
Sea Level: 2000 Volts rms.
3.4" Hg: 1000 Volts rms.

WITHDRAWAL FORCE: 2 to 16 ounces per contact

COVER ASSEMBLIES: Coated with a blue-black vinyl

HARDWARE PLATING: 200 microinches Cadmium plate with a clear chrome finish

†ELCO Standard Contacts shown. See ordering code for other contact materials.

Standard ELCO VARICON* Connectors, Series 01, are covered under the component recognition program of Underwriters' Laboratories, Inc.

SERIES 01 ELCO VARICON* CONNECTOR ORDERING CODE

When ordering with a pictorial view, please show the wiring side of the connector.

● PRODUCT LINE _____ 01-2240-104-004-000
01

● END SECTION _____
1 PLUG 2 PLUG, RUGGEDIZED (Note 1)
3 RECEPTACLE 4 RECEPTACLE, RUGGEDIZED (Note 1)

● NUMBER OF TIERS _____
1 OR 2

● NUMBER OF CONTACTS _____
02, 04, 06, ETC.

● INSULATOR MATERIAL (Note 2) _____
1 GENERAL PURPOSE PHENOLIC
2 mica-filled phenolic

● HARDWARE (Note 2) _____
00 PLAIN, WITHOUT HARDWARE
01 handle
02 COVER, TOP CABLE HOLE, NO CLAMP (Note 3)
03 COVER, END CABLE HOLE, NO CLAMP (Note 3)
04 COVER, TOP CABLE HOLE WITH CLAMP (Note 3)
05 COVER, END CABLE HOLE WITH CLAMP (Note 3)
06 RECESSED HOUSING .125" DIA. MOUNTING HOLE
07 COVER WITH ACTUATING SCREW
08 mailbox cover with actuating screw
09 elongated cover with actuating screw
10 recessed housing, tapped extruded mounting holes
11 STANDARD BRACKET .125" DIA. MOUNTING HOLES
12 standard brackets, tapped extruded mounting holes
13 elongated brackets, .125" x .187" mounting holes
14 elongated brackets, .146" dia. mounting holes
15 elongated brackets, .176" dia. mounting holes (double tier only)
16 elongated brackets, tapped extruded mounting holes (single tier only)
17 BRACKET ASSEMBLY FOR ACTUATING SCREW
18 recessed housing with bracket assembly for actuating screw, .125" dia. mounting holes
19 recessed housing with bracket assembly for actuating screw, tapped extruded mounting holes
20 right angle connector
21 recessed housing with .146" dia. mounting holes
22 recessed housing with bracket assembly for actuating screw with .146" dia. mounting holes

● GUIDE PINS (Note 4) _____
0 NO GUIDE PIN OR HOLES
1 ONE PIN
2 TWO PINS
3 ONE HOLE
4 TWO HOLES

● CONTACT VARIATIONS (Note 2) _____
ON "END SECTION" 1 AND 2, THE "04" CONTACT IS USED AS STANDARD. ON "END SECTION" 3 AND 4, THE "01" CONTACT IS USED AS STANDARD

● CONTACT VARIATIONS (Note 2) (Continued)

STANDARDS:

WIRE HOLE			
01	0006.1902		NICKEL-SILVER
04	0006.1905		NICKEL-SILVER

SPECIALS: ††

Double Wire Hole			
02	0006.1311		Phosphor-Bronze Cadmium Plated
Taper Tab			
03	0006.1303		Phosphor-Bronze Cadmium Plated
06	0006.1306		Phosphor-Bronze Silver Plated
07	0006.1406		Beryllium-Copper Silver Plated
Taper Pin			
09	0006.1408		Beryllium-Copper Cadmium Plated
10	0006.1410		Beryllium-Copper Silver Plated
Bus Wiring			
11	1412.0214		Beryllium-Copper Silver Plated
12	1412.0224		Beryllium-Copper Cadmium Plated
Wire Hole			
21	0006.1302		Phosphor-Bronze Cadmium Plated
22	0006.1305		Phosphor-Bronze Silver Plated

††Other materials and plating may be supplied upon request.

SPECIAL VARIATIONS

000 NO SPECIAL VARIATION (also see variation 002)
001 standard assembly with printed numbering system
002 reverse assembly (standard on receptacle without hardware)
003 reverse assembly with printed numbering system
004 silver plating in lieu of cadmium for special contact #21

NOTES:

- (1) Ruggedized differs from the normal assembly by the use of thicker end sections; ruggedized end sections are .202" thick, as opposed to regular end sections of .140" thickness.
- (2) Bold type represents standards.
Light type represents specials.

- (3) Cover assemblies are shipped loose except for end plate on screw head end. Coating is blue-black vinyl.
- (4) Consult pages 12 and 13 for the locations available. Polarizing pins should not be confused with guide pins. Polarizing pins (page 15) are special items and customer must specify in writing, when and where polarizing pins are desired. Refer to the numbering system on page 22 for exact location designation.

A FINAL NOTE

As the leading company in furthering the state-of-the-art relating to interconnection technology, we are constantly introducing new, more sophisticated, high reliability components contributing toward the advancement of this specialized science.

This Catalog illustrates merely one basic line. Others, ranging in styles and sizes down to the almost-molecular, cover the broadest spectrum in the industry for rack-and-panel, modular, printed and integrated circuitry. Many are derived from the same fork-design contact shown in the foregoing pages; while others include equally individual and reliable ELCO VARICON* Connector designs.

In addition, we offer a complete and comprehensive line of Tube Sockets and Shields, the former primarily based on our patented, self-locating E-Z Mate* design. We will be happy to forward this Catalog to you upon your request.

And, in-so-far as connectors are concerned, we will be pleased to forward further technical information to you upon the receipt of a brief resume of your project; or furnish you with design, engineering and production assistance.

In any and all cases, however, you would do well first to investigate what we have to offer because, in the words of one of the industry's better known truisms . . .

if it's new...if it's news...it's from

